

## ABSTRACT

A method and system is presented that can predict the result of a plastic surgery on a patient. The method includes the steps of taking pictures of a patient's hard and soft tissue, preparing a personalized 3-D model of the patient by overlaying the hard and soft tissue pictures and extracting outlines and feature points based on a standard 3-D model of a representative person, performing a virtual surgery by a doctor by manipulating the patient's hard tissue, and synthesizing the result of the virtual surgery by deriving changes in the patient's soft tissue according to the changes in the hard tissue.